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Product Datasheet

MitoPT TMRM Mitochondrial Depolarization Assay Kit BYT-ORB1409919

Article Name	MitoPT TMRM Mitochondrial Depolarization Assay Kit
Biozol Catalog Number	BYT-ORB1409919
Supplier Catalog Number	orb1409919
Alternative Catalog Number	BYT-ORB1409919-500
Manufacturer	Biorbyt
Category	Sonstiges
Product Description	TMRM accumulates and fluoresces orange in polarized mitochondria. Fluorescence drops dramatically on depolarization in apoptotic or metabolically stressed cells. Analyze using a flow cytometer, fluorescence plate reader, or fluorescence microscopy....
Samples	Cell culture
Application Notes	Application Notes: 1. Prepare samples and controls., 2. Dilute 10X Injection Buffer 1:10 with 45 mL diH2O., 3. Reconstitute NIR-FLIVO 690 Tracer with 50 µL DMSO., 4. Dilute NIR-FLIVO 1:10 with 450 µL 1X Injection Buffer., 5. Inject 50 µL intravenously., 6. Let NIR-FLIVO circulate for 4 hours., 7. Image the animal. NIR-FLIVO 690 Tracer excites at 690 nm and emits at 709 nm., 8. If not viewing directly, excise tissue and process samples for further analysis., 9. Optional: label excised samples with additional stains, such as Hoechst 33342, or an antibody., 10. If desired, fix excised samples., 11. Analyze excised samples with a fluorescence microscope or flow cytometer